

Rennaker, Joanne (DEQ)

From: Matta, Samir <SFMatta@lan-inc.com>
Sent: Monday, October 26, 2015 10:43 AM
To: Prysby, Mike (DEQ)
Subject: City of Flint Corrosion System Review.

Hi Mike,

I have been asked whether the MDEQ/EPA is going to have a formal response/review comments to what is needed for us to obtain the permit. I mentioned that based on our discussion that if we provide the information below, we will be able to get the permit issued.

- City of Detroit residual is around 0.4 to 0.5 mg/L as PO4
- MDEQ wants Flint to maintain a residual of approximately 1.0 mg/L as PO4
- Feed pump capacity should be sized to address a max dose of 2.0 mg/L as PO4
- Cut sheets and MSDS from the City's supplier

Please let me know if you require anything else and/or if a formal response will be forthcoming.

Thanks.

Samir F. Matta, PE
Senior Project Manager



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Rennaker, Joanne (DEQ)

From: Sygo, Jim (DEQ)
Sent: Saturday, October 24, 2015 3:01 PM
To: Shekter Smith, Liane (DEQ); Busch, Stephen (DEQ); Prysby, Mike (DEQ)
Cc: Shaler, Karen (DEQ); Krisztian, George (DEQ)
Subject: Fwd: One further comment

Please review and let's discuss next week.

Sent from my iPhone

Begin forwarded message:

From: "Kaplan, Robert" <kaplan.robert@epa.gov>
Date: October 24, 2015 at 8:58:12 AM EDT
To: Jim Sygo <SygoJ@michigan.gov>
Subject: One further comment

Jim, I'm sorry that we have a straggler. This morning I received one last comment. I ordinary would say "too late" but this comment reflects deep knowledge of the Flint system (esp. the residence at issue). Pls let me know if there are any issues. Again, sorry for the late and unconsolidated comment.

Bob

1) Has anyone evaluated where the water quality parameter monitoring is being conducted by Flint? If not, we might want to do that to make sure that the sites selected are representative of the water quality throughout the city. My concern is that the chlorine residual range reported by the City in their October 2015 water quality report is given as 0.2 – 4.0(<https://www.cityofflint.com/public-works/utilitieswater/water-treatment-plant/>). However, we know that in at least one area of the city, even after flushing the tap for 8 hours, there was no detectable chlorine residual. Repeated tests over 18 days (last one was September 3) show the same. These measurements were done after the replacement of the old service line, so the chlorine is not getting to this area (<http://flintwaterstudy.org/information-for-flint-residents/chlorine-monitoring-in-flint-resident-ms-leeanne-walters-home/>)

2) The recommendations in the final report on the sampling we did in Flint are linked to the corrosion control treatment. The lead concentrations in the scale/sediment are orders of magnitude higher than what we typically see in drinking water samples, so I think from a risk perspective, we need to better understand the composition and stability of the scales within the pipes to assess the stability of the scales and inform the treatment. Although the release of scale/sediment is not unique to Flint, the dislodging of scale/sediment would pose the greatest risk to residents by far. Our final report will be posted in the near future so should we include the assessment sampling in our comments on corrosion control (see below)?